

**Form PTO-1449 Modified**Docket No.  
**TJU-2290**Serial No.  
**09/046,178**List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)Applicant  
**Scott Waldman**U.S. Department of Commerce  
Patent and Trademark OfficeFiling Date  
**March 23, 1998**Group  
**1642****OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

ms	AA	Almenoff, et al., "Ligand-based Histochemical Localization and Capture of Cells Expressing Heat-Stable Enterotoxin Receptors", <i>Molecular Microbiology</i> , <b>1993</b> , 8, 865-873
	AB	Bjorn, et al., "Antibody-Pseudomonas Exotoxin A Conjugates Cytotoxic to Human Breast Cancer Cells In Vitro", <i>Cancer Research</i> , <b>1986</b> , 46, 3262-3267
	AC	Bjorn, et al., "Evaluation of Monoclonal Antibodies for the Development of Breast Cancer Immunotoxins", <i>Cancer Research</i> , <b>1985</b> , 45, 1214-1221
	AD	Bodansky, et al., "Peptide Synthesis", John Wiley and Sons, 2d Ed., <b>(1976)</b>
	AE	Burgess, et al., "Biological Evaluation of a Methanol-Soluble, Heat-Stable <i>Escherichia coli</i> Enterotoxin in Infant Mice, Pigs, Rabbits and Calves", <i>Infection and Immunity</i> , <b>1978</b> , 21, 526-531
	AF	Cawley and Herschman, "Epidermal Growth Factor-Toxin A Chain Conjugates: EGF-Ricin A is a Potent Toxin While EGF-Diphtheria Fragment A is Nontoxic", <i>Cell</i> , <b>1980</b> , 22, 563-570
	AG	Ceriani, R., et al., "Variability in Surface Antigen Expression of Human Breast Epithelial Cells Cultured from Normal Breast, Normal Tissue Peripheral to Breast Carcinomas, and Breast Carcinomas", <i>Cancer Res.</i> , <b>July, 1984</b> , 44, 3033-3039
	AH	Ceriani, R., et al., "Circulating Human Mammary Epithelial Antigens in Breast Cancer", <i>PNAS USA</i> , <b>1982</b> , 79, 5420-5424
	AI	Chan and Giannella, "Amino Acid Sequence of Heat-stable Enterotoxin Produced by <i>Escherichia coli</i> Pathogenic for Man", <i>J. Biol. Chem.</i> , <b>1981</b> , 256, 7744-7746
▽	AJ	Chung and Collier, "Enzymatically Active Peptide from the Adenosine Dithosphate-Ribosylating Toxin of <i>Pseudomonas aeruginosa</i> ", <b>1977</b> , 16, 832-841

EXAMINER

*Ani R. Scheiner*

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<i>ms</i>	<b>AK</b>	Cohen, M., et al., "Receptors for <i>Escherichia coli</i> Heat Stable Enterotoxin in Human Intestine and in a Human Intestinal Cell Line (Caco-2)", <i>J. Of Cellular Physiol.</i> , <b>1993</b> , 156, 138-144	
	<b>AL</b>	Corstens, F. And van der Meer, Jos. W.M., "Chemotactic peptides: New Locomotion for Imaging of Infection?", <i>J. Nucl. Med.</i> , <b>1991</b> , 32(3), 491-494	
	<b>AM</b>	Cumber, et al., "Preparation of Antibody-Toxin Conjugates", <i>Methods in Enzymology</i> , <b>1985</b> , 112, 207-225	
	<b>AN</b>	Currie, et al., "Guanylin: An endogenous Activator of Intestinal Guanylate Cyclase", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1992</b> , 89, 947-951	
	<b>AO</b>	de Sauvage, F., et al., "Primary Structure and Functional Expression of the Human Receptor for <i>Escherichia coli</i> Heat-stable Enterotoxin", <i>The J. Of Biol. Chem.</i> , <b>1991</b> , 266, 17912-17918	
	<b>AP</b>	Dreyfus, et al., "Chemical Properties of Heat-Stable Enterotoxins Produced by Interotoxigenic <i>Escherichia coli</i> of Different Host Origins", <i>Infection and Immunity</i> , <b>1983</b> , 42, 539-548	
	<b>AQ</b>	Drewett, J. And Garbers, "The Family of Guanylyl Cyclase Receptors and Their Ligands", <i>Endocrine Reviews</i> , <b>1994</b> , 15(2), 135-162	
<i>AR</i>	<b>AR</b>	Eckelman, et al., "Comparison of <sup>99m</sup> Tc and <sup>111</sup> In Labeling of Conjugated Antibodies", <i>Nucl. Med. Biol.</i> , <b>1986</b> , 13, 335-343	
	<b>AS</b>	Evans, et al., "Difference in the Response of Rabbit Small Intestine to Heat-Labile and Heat-Stable Enterotoxins of <i>Escherichia coli</i> ", <i>Infection and Immunity</i> , <b>1973</b> , 7, 873-880	
<i>AT</i>	<b>AT</b>	Fischman, Alan J., et al., "A Ticket to Ride: Peptide Radiopharmaceuticals", <i>J. Nucl. Med.</i> , <b>1993</b> , 34(12), 2253-2263	
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<i>ms</i>	<b>AU</b>	Fitzgerald, et al., "Adenovirus-Induced Release of Epidermal Growth Factor and pseudomonas Toxin into the Cytosol of KB Cells during Receptor-Mediated Endocytosis", <i>Cell</i> , <b>1983</b> , 32, 607-617	
	<b>AV</b>	Fitzgerald, et al., "Construction of Immunotoxins Using Pseudomonas Exotoxin A", <i>Methods in Enzymology</i> , <b>1987</b> , 151, 139-145	
	<b>AW</b>	Forte, L., et al., "Receptors and cGMP Signaling Mechanism for E. Coli Enterotoxin in Opossum Kidney", <i>Am. J. Physiol.</i> , <b>1988</b> , 255 (5 Pt. 2), F1040-F1046	
	<b>AX</b>	Forte, L., et al., " <i>Escherichia coli</i> Enterotoxin Receptors: Localization in Opossum Kidney, Intestine, and Testis", <i>Am. J. Physiol.</i> , <b>1989</b> , 257 (Pt. 2), F874-881	
	<b>AY</b>	Forte, L., et al., "Guanylin: A Peptide Regulator of Epithelial Transport", <i>FASEB J</i> , <b>1995</b> , 9, 643-650	
	<b>AZ</b>	Giannella, et al., "Development of a Radioimmunoassay for <i>Escherichia coli</i> Heat-Stable Enterotoxin: Comparison with the Suckling mouse Bioassay", <i>Infection and Immunity</i> , <b>1981</b> , 33, 186-192	
	<b>BA</b>	Gros, O., "Biochemical Aspects of Immunotoxin Preparation", <i>J. Immunol. Meth.</i> , <b>1985</b> , 81, 283-297	
	<b>BB</b>	Guarino, A., et al., "T <sup>84</sup> Cell Receptor Binding and Guanyl Cyclase Activation by <i>Escherichia coli</i> Heat-Stable Toxin", <i>Am. J. Physiol.</i> , 253 (Gastrointest. Liver Physiol. 16): G775-780, <b>1987</b>	
	<b>BC</b>	Guerrant, R., et al., "Activation of Intestinal Guanylate Cyclase by Heat-Stable Enterotoxin of <i>Escherichia coli</i> : Studies of tissue Specificity, Potential Receptors, and Intermediates", <i>J. Infect. Dis.</i> , <b>1980</b> , 142(2), 220-228	
<i>D</i>	<b>BD</b>	Gyles, C.L., "Discussion Heat-Labile and Heat-Stable Forms of the Enterotoxin from E. Coli Strains Enteropathogenic for Pigs", <i>Ann. N.Y. Acad. Sci.</i> , <b>1979</b> , 16, 314-321	
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ms	BE	Hakki, et al., "Solubilization and Characterization of Functionally Coupled <i>Escherichia coli</i> Heat-Stable Toxin Receptors and Particulate Guanylate Cyclase Associated with the Cytoskeleton Compartment of Intestinal Membranes", <i>Int. J. Biochem.</i> , <b>1993</b> , 25, 557-566	
	BF	Hardingham, J.E., et al., "Immunobead-PCR: A Technique for the Detection of Circulating Tumor Cells Using Immunomagnetic Beads and the Polymerase Chain Reaction", <i>Cancer Research</i> , <b>1993</b> , 53, 3455-3458	
	BG	Hugues, et al., "Identification and Characterization of a New Family of High-Affinity Receptors for <i>Escherichia coli</i> Heat-Stable Enterotoxin in Rat Intestinal Membranes", <i>Biochemistry</i> , <b>1991</b> , 30, 10738-10745	
	BH	Humm, et al., "Dosimetric Aspects of Radiolabeled Antibodies for Tumor Therapy", <i>J. Nuclear Med.</i> , <b>1986</b> , 27, 1490-1497	
	BI	Klipstein, et al., "Development of a Vaccine of Cross-Linked Heat-Stable and Heat-Labile Enterotoxins that Protects Against <i>Escherichia coli</i> Producing Either Enterotoxin", <i>Infection and Immunity</i> , <b>1982</b> , 37, 550-557	
	BJ	Krause, W., et al., "Autoradiographic Demonstration of Specific Binding Sites for E. Coli Enterotoxin in Various Epithelia of the North American Opposum", <i>Cell Tissue Res.</i> , <b>1990</b> , 260, 387-394	
	BK	Krejcarek and Tucker, "Covalent Attachment of Chelating Groups to Macromolecules", <i>Biochemical and Biophysical Research Communications</i> , <b>1977</b> , 77, 581-585	
	BL	Kwok, "Calculation of Radiation Doses for Nonuniformly Distributed $\beta$ and $\gamma$ Radionuclides in Soft Tissue", <i>Med. Phys.</i> , <b>1985</b> , 12, 405-412	
	BM	Leonard, et al., "Kinetics of Protein Synthesis Inactivation in Human T-Lymphocytes by Selective Monoclonal Antibody-Ricin Conjugates", <i>Cancer Research</i> , <b>1985</b> , 45, 5263-5269	
↓	BN	Lima, A., et al., "The Effects of <i>Escherichia coli</i> Heat-Stable Enterotoxin in Renal Sodium Tubular Transport", <i>Pharmacology &amp; Toxicology</i> , <b>1992</b> , 70, 163-167	
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<i>MS</i>	<b>BO</b>	Magerstadt, M., et al. "Antibody Conjugates and Malignant Disease", CRC Press, Boca Raton, <b>1991</b> , 42-45 and 110-152	
	<b>BP</b>	Masuho, et al., "Importance of the Antigen-Binding Valency and the Nature of the Cross-Linking Bond in Ricin A-Chain Conjugates with Antibody", <i>J. Biochem.</i> , <b>1982</b> , 91, 1583-1591	
	<b>BQ</b>	Merrifield, "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide", <i>J. Am. Chem. Soc.</i> , <b>1963</b> , 15, 2149-2154	
	<b>BR</b>	Michel and Dirkx, "Fluorescence Studies of Nucleotides Binding to Diphtheria Toxin and Its Fragment A", <i>Biochimica et Biophysica Acta</i> , <b>1974</b> , 365, 15-27	
	<b>BS</b>	Moseley, et al., "Isolation and Nucleotide Sequence Determination of a Gene Encoding a Heat-Stable Enterotoxin of <i>Escherichia coli</i> ", <i>Infection and Immunity</i> , <b>1983</b> , 39, 1167-1174	
	<b>BT</b>	Okamoto, et al., "Substitutions of Cysteine Residues of <i>Escherichia coli</i> Heat-Stable Enterotoxin By Oligonucleotide-Directed Mutagenesis", <i>Infection and Immunity</i> , <b>1987</b> , 55, 2121-2125	
	<b>BU</b>	Rao, M., et al., "Mode of Action of Heat-Stable <i>Escherichia coli</i> Enterotoxin Tissue and Subcellular specificities and Role of Cyclic GMP", <i>Biochimica et Biophysica Acta</i> , <b>1980</b> , 632, 35-46	
	<b>BV</b>	Richardson, et al., "Astatine ( <sup>211</sup> At) as a Therapeutic Radionuclide. The Plasma: Blood Cell Distribution in Vitro", <i>Nucl. Med. Biol.</i> , <b>1986</b> , 13, 583-584	
	<b>BW</b>	Sack, "Human Diarrheal Disease Caused by Enterotoxigenic <i>Escherichia coli</i> ", <i>Ann. Rev. Microbiol.</i> , <b>1975</b> , 29, 333-353	
<i>U</i>	<b>BX</b>	Schulz, S., et al., "Cloning and Expression of Guanylin", <i>The J. Of Biological Chem.</i> , <b>1992</b> , 267(23), 16019-16021	
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<i>MS</i>	<b>BY</b>	Shimonishi, et al., "Mode of Disulfide Bond Formation of a Heat-Stable Enterotoxin (ST <sub>h</sub> ) Produced by a Human Strain of Enterotoxigenic <i>Escherichia coli</i> ", <i>FEBS Letters</i> , <b>1987</b> , 215, 165-170	
	<b>BZ</b>	So and McCarthy, "Nucleotide Sequence of the Bacterial Transposon Tn1681 Encoding a Heat-Stable (ST) Toxin and Its Identification in Enterotoxigenic <i>Escherichia coli</i> Strains", <i>Proc. Natl. Acad. Sci. USA</i> , <b>1980</b> , 77, 4011-4015	
	<b>CA</b>	Spitler, et al., "Therapy of Patients with Malignant Melanoma Using a Monoclonal Antimelanoma Antibody-Ricin A Chain Immunotoxin", <i>Cancer Research</i> , <b>1987</b> , 47, 1717-1723	
	<b>CB</b>	Steinstraßer, et al., "Selection of Nuclides for Immunoscintigraphy/Immunotherapy", <i>J. Nucl. Med.</i> , <b>1988</b> , 5, 875	
	<b>CC</b>	Thompson, et al., "Biological and Immunological Characteristics of <sup>125</sup> I-4Tyr and -18Tyr <i>Escherichia coli</i> Heat-Stable Enterotoxin Species Purified by High-Performance Liquid Chromatography", <i>Analytical Biochemistry</i> , <b>1985</b> , 148, 26-36	
	<b>CD</b>	Thompson, M.R., " <i>Escherichia coli</i> Heat-Stable Enterotoxins and Their Receptors", <i>Pathol. Immunopathol. Res.</i> , <b>1987</b> , 6, 103-116	
	<b>CE</b>	Thorpe, et al., "New Coupling Agents for the Synthesis of Immunotoxins Containing a Hindered Disulfide Bond with Improved Stability In Vivo", <i>Cancer Research</i> , <b>1987</b> , 47, 5924-5931	
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	<b>CG</b>	Waldman and O'Hanley, "Influence of a Glycine or Proline Substitution on the Functional Properties of a 14-Amino-Acid Analog of <i>Escherichia coli</i> Heat-Stable Enterotoxin", <i>Infection and Immunity</i> , <b>1989</b> , 57, 2420-2424	
<i>W</i>	<b>CH</b>	Wessels and Rogus, "Radionuclide Selection and Model Absorbed Dose Calculations for Radiolabeled Tumor Associated Antibodies", <i>Med. Phys.</i> <b>1984</b> , 11, 638-645	
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	<b>CJ</b>	Worrell, et al., "Effect of Linkage Variation on Pharmacokinetics of Ricin A Chain-Antibody Conjugates in Normal Rats", <i>Anti-Cancer Drug Design</i> , <b>1986, 1</b> , 179-188	
	<b>CK</b>	Yoshimura, et al., "Essential Structure for Full Enterotoxigenic Activity of Heat-Stable Enterotoxin Produced by Enterotoxigenic <i>Escherichia coli</i> ", <i>FEBS</i> <b>2232</b> , 1985, 181, 138-142	
	<b>CL</b>	Barchel, et al., "Radioimaging and Radiotherapy", New York ( <b>1983</b> )	
	<b>CM</b>	Franz, et al., "The Production of <sup>99m</sup> Tc-Labeled Conjugated Antibodies Using A Cyclam-Based Bifunctional Chelating Agent", <i>J. Nucl. Med. Biol.</i> , <b>1987, 14</b> , 569-572	
	<b>CN</b>	deSavauge, et al., "Primary Structure and Functional Expression of the Human Receptor for <i>Escherichia coli</i> Heat-Stable Enterotoxin", <i>J. Biol. Chem.</i> , <b>266</b> , <b>1991</b> , 17921-17918	
	<b>CO</b>	Bailey's Textbook of Histology, 16 Edition, Coperhaven, et al., Williams and Wilkens, Baltimore, MD, pg. 404 ( <b>1975</b> )	
	<b>CP</b>	Wide, "Solid Phase Antigen-Antibody Systems", Radioimmunoassay Methods, Kirkham, Ed., E & S pages 405-412, Livingstone, Edinburgh, ( <b>1971</b> )	
	<b>CQ</b>	Vaandrager, A. et al., <i>J. Biol. Chem.</i> , <b>January 25, 1993</b> , <b>268(3)</b> , 2174-2179 (Abstract Only)	
<i>D</i>	<b>CR</b>	Aitken, R. et al., "Recombinant enterotoxins as vaccines against <i>Escherichia coli</i> -mediated diarrhoea", <i>Vaccine</i> , <b>1993, 11(2)</b> , 227-233	
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	CT✓	Chelly, J. et al., "Illegitimate Transcription: Application to the Analysis of Truncated Transcripts of the Dystrophin Gene in Nonmuscle Cultured Cells from Duchenne and Becker Patients", <i>J. Clin. Invest.</i> , <b>1991</b> , 88(4), 1161-1166	
	CU✓	Cooper, D.N. et al., "Ectopic (Illegitimate) Transcription: New Possibilities for the Analysis and Diagnosis of Human Genetic Disease", <i>Ann. Med.</i> , <b>1994</b> , 26(1), 9-14	
	CV✓	Field, M., "Role of Cyclic Nucleotides in Enterotoxic Diarrhea", <i>Mol. Cyclic Nucl. Res.</i> , <b>1980</b> , 12, 267-277	
	CW✓	Giannella, R.A., "Pathogenesis of Acute Bacterial Diarrheal Disorders", <i>Ann. Rev. Med.</i> , <b>1981</b> , 32, 341-357	
	CX✓	Kaplan, J.C. et al., "Illegitimate transcription: its use in the study of inherited disease", <i>Human Mutation</i> , <b>1992</b> , 1(5), 357-360 (Abstract only)	
	CY✓	Negrier, C. et al., "Illegitimate transcription: its use for studying genetic abnormalities in lymphoblastoid cells from patients with Glanzmann thrombasthenia", <i>British J. Haematology</i> , <b>1998</b> , 100(1), 33-39	
	CZ✓	Rao, M.C. et al., "Enterotoxins and Anti-toxins: Enterotoxins and ion transport", <i>Biochem.</i> , <b>1984</b> , 12, 177-180	
	DA✓	Zippelius, A. et al., "Limitations of Reverse-Transcriptase Polymerase Chain Reaction Analyses for Detection of Micrometastatic Epithelial Cancer Cells in Bone Marrow", <i>J. Clin. Oncology</i> , <b>1997</b> , 15(7), 2701-2708	
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## U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>duplicate</i>	<del>DB</del>	<del>5,601,990</del>	<del>02/1997</del>	<del>Waldman</del>	<del>435</del>	<del>7.23</del>
<i>MS</i>	DC	4,584,268	4/86	Ceriani, et al.	436	504
	DD	4,683,195	7/28/87	Mullis	435	91
	DE	4,683,202	10/23/90	Mullis, et al.	435	6
	DF	4,965,188	7/28/87	Mullis, et al.	435	6
	DG	5,160,723	11/3/92	Welt, et al.	424	1.1
	DH	5,237,051	8/17/93	Garbers, et al.	530	350
	DI	5,518,888	5/21/96	Waldman	435	7.23
<i>▽</i>	DJ	5,075,216	12/24/91	Innis et al.	435	6

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES NO	
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